

Listing of Claims:

1. (Previously Presented) A process to polymerize one or more monomers wherein at most 90 percent by weight of the safely useable amount of a first initiator is used and a second initiator, having a half-life from 0.0001 hour to 1.0 hour at the polymerization temperature and that is less temperature stable than said first initiator, is being dosed at least partially from the start of the polymerization until 10% of the monomer(s) has been polymerized, in an amount such that at least 92% of the maximum cooling capacity is used during at least a period of time wherein at least 10 percent by weight of the monomer is polymerized.
2. (Original) A process according to claim 1 wherein the monomers comprise vinyl chloride.
3. (Previously Presented) A process according to claim 2 wherein the process is a suspension polymerization process.
4. (Previously Presented) A process according to claim 1 wherein the second initiator is also added intermittently and/or continuously after the start of the pressure drop and/or during the pressure drop.
5. (Previously Presented) A process according to claim 1 wherein a protective colloid is added during the polymerization process.
6. (Previously Presented) A process according to claim 1 wherein said first initiator has a half-life of 0.1 hour to 10 hours at the polymerization temperature and the less temperature

stable initiator has a half-life of 0.0001 hour to 1.0 hour at said temperature.

7. (Previously Presented) A process according to claim 1 wherein the amount of the second initiator that is used is at least 0.01% by weight, based on the weight of the monomer that is polymerized.

8. (Previously Presented) A process according to claim 1 wherein the total amount of first and second initiator is 0.01 to 1 %w/w, based on the weight of the monomer that is polymerized.

9. (Previously Presented) A process according to claim 4 wherein the polymerization reactor has a volume of 15 m³ or more.

10. (Previously Presented) A process according to claim 1 wherein said dosing of the first initiator is at a variable rate.

11. (Previously Presented) A process according to claim 3 wherein said suspension polymerization process is a batch suspension polymerization process showing a pressure drop of the vinyl chloride in the reactor.

12. (Previously Presented) A process according to claim 6 wherein a protective colloid is added during the polymerization process.